

3. Geming

Program Name: Geming.java

Input File: geming.dat

In a recent computer science class lesson on integers and their opposite values, Geming has learned a new concept called the complement. He is a bit confused with this term because he learned one definition of it in geometry, but now is being taught a new definition, which is this:

- The complement of any integer value is its opposite, minus one.

For example, the complement of zero is -1. The complement of 1 is -2. The complement of -11 is 10, and so on.

Help Geming galvanize his understanding of this new concept by writing a program to input any integer value in the range, -10000...10000, and output its complement value.

Input: Several integer values, each on one line.

Output: The original value and its complement, separated by a single space, each pair of values on one line.

Sample input:

```
0
1
-11
```

Sample output:

```
0 -1
1 -2
-11 10
```